

# USCMS Engineer Status Report for August 2004

Bill Tanenbaum

September 13, 2004

## 1 Work Performed This Month

My main effort for this month was in collaboration with Walter Brown and Marc Paterno. We were asked to provide "access to COBRA from the ROOT prompt", or "a ROOT Plugin for COBRA". The requirements were vague and not totally consistent, so we expended much effort in determining what the users thought they really wanted. This resulted in two papers by us, "Snakes and Trees", and "Two Proposals", which were presented to the APROM. This is an ongoing effort.

Other work I did in August:

- 1) In the official COBRA documentation, added documentation for the tools "AttachRun", "FixColl", "SortColl", "DetachRun", and "fixErrors", none of which were documented.

- 2) Added a safety check in the COBRA "DetachRun" command so that it would exit cleanly with an error message if the required "fixErrors" precursor had not been run.

- 3) In prior months I provided solutions to two use cases for the LPC EDM (LHC Physics Center Event Data Model) working group. In August, I documented these use cases for inclusion in the report of the LPC EDM group.

- 4) I presented an hour and a half tutorial on POOL to Lee Lueking's database group here at Fermilab. They are working on the Calibration and Conditions data base for CMS.

## **2 Plans For Next Month**

Continue work on COBRA/ROOT and the LPC EDM effort.

## **3 Links To Supporting Documentation**

- <http://computing.fnal.gov/docdb/documents/0004/000467/001/paper.pdf>
- <http://computing.fnal.gov/docdb/documents/0004/000468/001/paper.pdf>